

## PATENT CLAIMS:

1. An abradable coating for gas turbines, for sealing a radial gap between a casing (11; 18) of the gas turbine and rotating blades (10; 16) of the same, the abradable coating (13; 19) being applied to the casing (11; 18),  
characterized in that the abradable coating (13; 19) is at least single-layered, at least one outer layer of the abradable coating (13; 19) being fabricated from a material having a magnetoplumbite structure.
2. The abradable coating as recited in claim 1,  
characterized in that the material having a magnetoplumbite structure is constituted of lanthanum hexaaluminate.
3. The abradable coating as recited in claim 1 or 2,  
characterized in that the abradable coating (13) is single-layered, the only layer of the abradable coating being produced from lanthanum hexaaluminate.
4. The abradable coating as recited in claim 1 or 2,  
characterized in that the abradable coating (19) is multi-layered, the outermost layer (20) of the abradable coating (19), which is first able to be contacted by ends of the blades (16), being fabricated from lanthanum hexaaluminate.
5. The abradable coating as recited in claim 4,  
characterized in that at least one additional, interior layer (21) is disposed between the outer layer (20) of lanthanum hexaaluminate and the casing (18).
6. The abradable coating as recited in claim 5,  
characterized in that the interior layer (21) is an adhesion-promoting layer.
7. The abradable coating as recited in claim 5 or 6,  
characterized in that an intermediate layer of zirconium dioxide is disposed between the interior

layer (21) and the outer layer (20) of lanthanum hexaaluminate.